ACC NR: AT7001357

ideal inductor are discussed. The forces acting on a conducting cylinder in the field of a real inductor and on a conducting sphere in the field of a cylindrical inductor are also briefly evaluated. Orig. art. has: 13 figures and 34 formulas.

SUB CODE: 20, 09/   SUBM DATE: 22Jul66/   ORIG REF: 021/   OTH REF: 001

Card 2/2

KRUMIN, Zh.K., inzh.; LOGANOV, V.N., inzh.

Automatic control devices used in the manufacture of sewing
needles. Trudy VNIIMASH no.1:163-176 '59.   (MIRA 13:5)
    (Pins and needles)   (Automatic control)

9, 7/00

AUTHORS: Gorushkin, V.I., Doctor of Technical Sciences;
            Krumina, A.A., Engineer; and
            Latysheva, T.S., Engineer

TITLE: On extending the range of problems solvable by means
            of small digital computers

PERIODICAL: Elektrichestvo, no.7, 1962, 28-29

TEXT: The difficulties connected with the strict limitation
of the range of numbers in small computers may be avoided to a
great extent by resorting to operations over numbers represented
in "normal form". Any number in normal form is represented as

$$x = q_x 2^{P_x} \qquad\qquad (1)$$

where $1/2 \leq q_x < 1$; q_x is the mantissa, p_x is the order of
magnitude. The number represented in such form is recorded in
two adjacent memory storage cells of the computer: in one cell
one records the mantissa q_x and the other $p_x \cdot 2^{-30}$.

Card 1/4

On extending the range of problems... S/105/62/000/007/002/004
E200/E135

All arithmetic operations may be carried out over numbers represented in normal form. However, in most machines there are no commands for such operations. The arithmetic operations with such numbers are carried out by means of special programs. The rules for carrying out arithmetic operations over numbers represented in normal form are given below. Addition is carried out as follows: say the numbers $A = q_A \cdot 2^{p_A}$ and $B = q_B \cdot 2^{p_B}$ are to be added. First one equates the orders and the difference $p_A - p_B$ is found. Then if $p_A - p_B < 0$, then q_A is multiplied by $2^{(p_A - p_B)}$ and added to q_B:

$$C = A + B = q_A 2^{p_A} + q_B 2^{p_B} =$$
$$= (q_A 2^{p_A - p_B}) 2^{p_A - (p_A - p_B)} + q_B 2^{p_B} = \qquad (2)$$
$$= (q_A 2^{p_A - p_B} + q_B) 2^{p_B} = q_C 2^{p_C}.$$

Card 2/ 4

On extending the range of problems...

If $p_A - p_B > 0$ then q_B is multiplied by $2^{p_B - p_A}$ and is added to q_A :

$$C = A + B = q_A 2^{p_A} + q_B 2^{p_B} = q_A 2^{p_A} +$$
$$+ (q_B 2^{p_B - p_A}) 2^{p_B - (p_B - p_A)} =$$ \hfill (3)
$$= (q_A + q_B 2^{p_B - p_A}) 2^{p_A} = q_C 2^{p_C}.$$

For multiplication the mantissas are multiplied together and the orders are added:

$$A \cdot B = (q_A 2^{p_A})(q_B 2^{p_B}) = (q_A q_B) 2^{p_A + p_B}.$$ \hfill (4)

Division is carried out thus:

$$\frac{A}{B} = \frac{q_A 2^{p_A}}{q_B 2^{p_B}} = \frac{q_A}{q_B} 2^{p_A - p_B} = q_C 2^{p_C}$$ \hfill (5)

Card 3/4

On extending the range of problems...
S/105/62/000/007/002/004
E200/E135

Programs for multiplication and division are written directly in the base program. The program for addition and subtraction is used as an independent routine. The method described above makes it possible to use fixed point computers of type M-3 (M-3) to carry out operations over numbers lying between the limits of $2^{-2^{30}}$ and $2^{2^{30}}$ or approximately between $10^{-300\ 000\ 000}$ and $10^{300\ 000\ 000}$ (the machines "Strela" and "Ural-2" operate with numbers in the range from 10^{-19} to 10^{19}). Thus it is possible to "transform" a fixed point computer into a floating point one.

ASSOCIATION: Energeticheskiy institut im. Krzhizhanovskogo
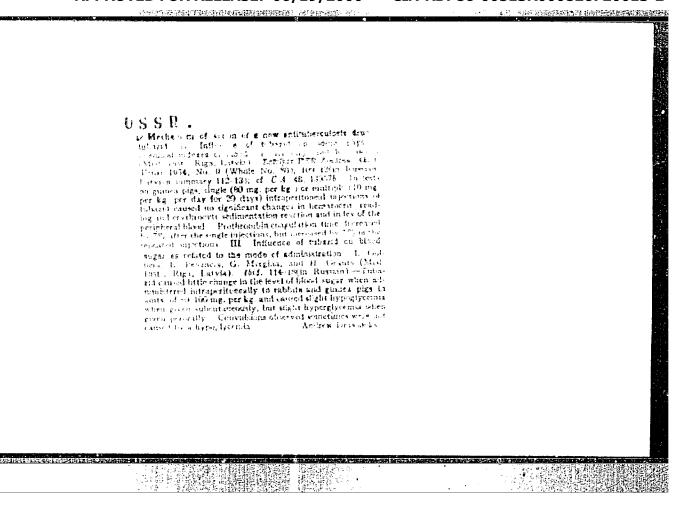(Power Engineering Institute imeni Krzhizhanovskiy)

SUBMITTED: September 25, 1961

Card 4/4

U S S R .

v/ Mechanism of action of a new antituberculosis drug
tubazid ... Influence of tubazid on some case
... ... Riga, Latvia) ... ...
... 1954, No. 9 (Whole No. 93), ... (in Russian)
... summary 112-138 cf. C.A. 48, 13607b ... tests
on guinea pigs, single (50 mg. per kg.) or multiple (10 mg.
per kg. per day for 29 days) intraperitoneal injections of
tubazid caused no significant changes in leucocyte read-
ing and erythrocyte sedimentation reaction and index of the
peripheral blood. Prothrombin coagulation time decreased
... after the single injections, but increased ... in the
repeated injections. III. Influence of tubazid on blood
sugar as related to the mode of administration. I. Col-
... I. Pevzners, G. Mezgina, and H. Grauts (Med.
Inst., Riga, Latvia). Ibid. 116-18 (in Russian).—Tuba-
zid caused little change in the level of blood sugar when ad-
ministered intraperitoneally to rabbits and guinea pigs in
... of ... 100 mg. per kg. and caused slight hypoglycemia
when given subcutaneously, but slight hyperglycemia when
given perorally. Convulsions observed sometimes were not
caused by a hyperglycemia.   Andrew Iniewski

AFONSKAYA, R.I.; KRUMINA, M.K.

Biology of Ussurian tigers. Sbor. trud. Mosk. zoop. no.1:51-60 '56.
(Moscow--Tigers)   (MIRA 10:11)

AFONSKAYA, R.I.; KHUMINA, M.K.

Observations on polar bears. Sbor. st. Mosk. zoop. no.2:56-63
'58.   (MIRA 11:12)
            (Bears)

KRUMINA, H.N., inzhener.

The technology of jet propulsion and jet propulsion engines. Politekh.
obuch. no.5:47-59 My '57.   (MLRA 10:6)
                          (Jet propulsion)

KREDILH, V. A.

"Automation Devices at the Kegumskaya Hydroelectric Power Plant and Experience in their Operation."

in book - New Developments in the Design of Electric Equipment for Hydro-electric Power Plants, 1957. 222 p. Moscow-Leningrad, Gosenergoizdat.
  (Data on the Conference on Design and Operation, Moscow, 16-24 May 1956.)

Kpuiloz, A. A.   Estimate
[illegible] th a [illegible]
odic solutions of [illegible]
[illegible]
[illegible]
solut [illegible]
that [illegible] exist [illegible]
z, and [illegible]
periodic [illegible]
system h[illegible] a unique [illegible]
for λ small (Poincaré [illegible]
Ann 113 292 103 [illegible] p W.
author calcula[illegible]
verge[illegible] of the kno[illegible]
X(t, λ)

KRUMING, A.A.

Evaluating the interval of changes of a small parameter contained
in the right sides of a system of differential equations having
periodic solutions. Uch. zap. MOPI 39 no.3:61-66 '56.
        (Differential equations)   (MLRA 10:4)

KRUMING, A.A.

Univalent mappings of a unit bicylinder. Uch. zap. MOPI 57
no.4:29-32 '57.   (MIRA 11:6)
            (Functions of complex variables)

KRUMING, A.A.

Analogue of the interior area theorem for the pseudoconformal mapping of a unit bicylinder. Uch. zap. MOPI 57 no.4:39-42 '57. (MIRA 11:6)
        (Functions, Analytic) (Conformal mapping)
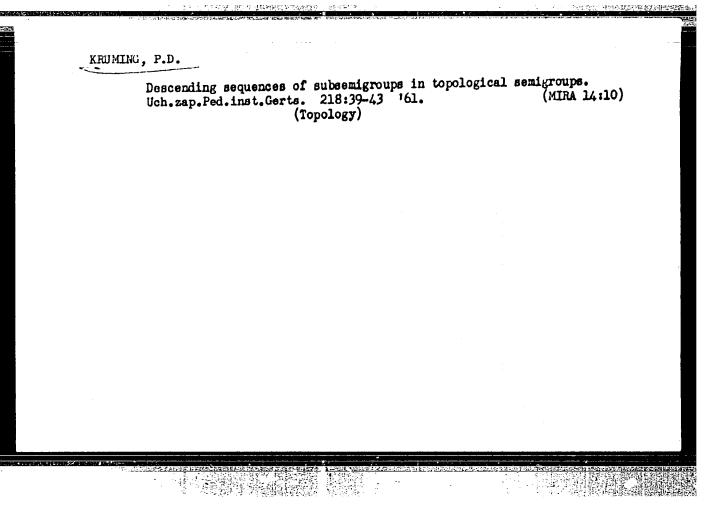
KRUMING, A.A.

Orthogonal systems and nuclear functions with weight for functions
of two complex variables. Uch. zap. MCPI 96:157-170 '60.
(MIRA 16:7)

(Functions of several variables)
(Weight functions)

KRUMING, P.D.

Divisibility in topologic semigroups. Uch. zap. Pod. inst. Gerts.
183:271-275 '58.   (MIRA 13:8)
(Topology)   (Groups, Theory of)

KRUMING, P.D.

Descending sequences of subsemigroups in topological semigroups.
Uch.zap.Ped.inst.Gerts. 218:39-43 '61.   (MIRA 14:10)
                    (Topology)

KRUMING, P.D.

Distribution of idempotent quantities in topological semigroups.
Uch.zap.Ped.inst.Gerts. 218:45-48 '61.   (MIRA 14:10)
                        (Topology)

KRUMING, P.D.

The 1- r semigroups. Uch.zap.Ped.inst.Gerts. 238:89-94 '62.
(MIRA 16:4)

(Groups, Theory of)   (^{T}opology)

KRUTING, P.D.

Factor-semigroups of topological semigroups. Uch.zap.Ped.inst.
Gorts. 238:95-101 '62.   (MIRA 16:4)
            (Groups, Theory of)   (Topology)

KRUMING, P.D.   (Leningrad)

Structurally ordered semigroups. Izv. vys. ucheb. zav.; mat.
no.6:78-87 '64.   (MIRA 18:3)

_____, _._.

_____ __, A._. Riga. _____, Izd-vo _____ii ar_____tury _____, 1947. 47 __. 28 plates. (_____ia _____stva nar____ ____.) (A____ia ar___t_____ _____. Institut istorii i teorii ar__itektury.)

_LC: _A1197.__5K7

So: I_, Soviet Geography, Part II, 1951/__class_f___

1. A. KRUMINS, Acad.

2. USSR (600)

4. Architecture - Riga

7. Architectural heritage of Riga. Latv. PSR Zin. Akad. Vestis no. 12. 1951.

9. Monthly List of Russian Accessions, Library of Congress, ___April___ 1953, Uncl.

DEGLAV, Fritsis [Deglavs, Fricis Jura d.]; KRUMINS, E., red.; KLUMELIS, A.,
    tekhn. red.

    [Selected works in two volumes] Rakstu izlase divos sejumov. Riga,
    Latvijas Valsts izdevnieciba. [In Latvian]. Vol.2. 1960. 305 p.
                                            (MIRA 14:12)
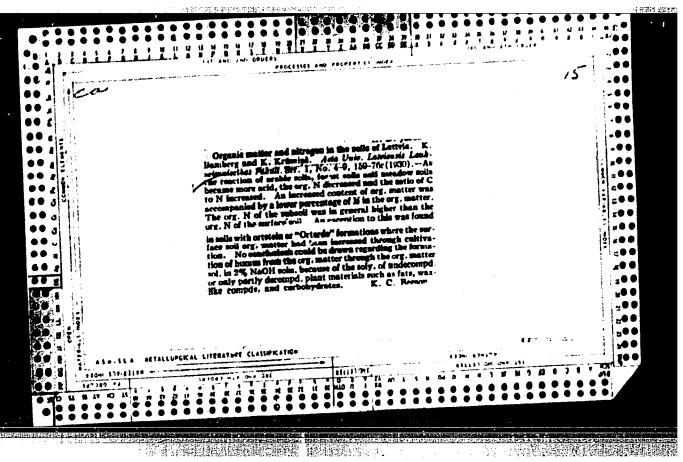   (Latvie--Economic conditions)

KRUMINS, J.

Problem about a conducting cylinder, in a rotating magnetic field of a cylinder inductor. In Russian. p. 59.

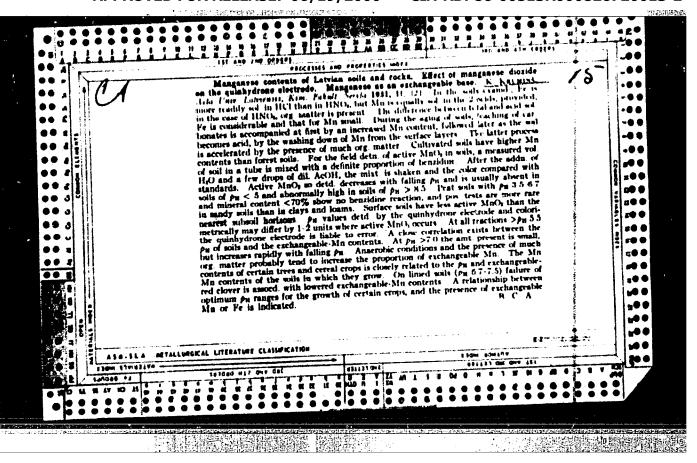LATVIIAS PSR ZINATNU AKADEMIJA. VESTIS. RIGA, LATVIA. No. 7, 1959

Monthly List of East European Accessions. (EEAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

Organic matter and nitrogen in the soils of Lettvia. K. Hamberg and K. Krümiņš. *Acta Univ. Latviensis Lauk-saimniecibas Fakult. Ser.* I, No. 4-9, 159-76 (1930).—As the reaction of arable soils, forest soils and meadow soils became more acid, the org. N decreased and the ratio of C to N increased. An increased content of org. matter was accompanied by a lower percentage of N in the org. matter. The org. N of the subsoil was in general higher than the org. N of the surface soil. An exception to this was found in soils with ortstein or "Orterde" formations where the sur-face soil org. matter had been increased through cultiva-tion. No conclusion could be drawn regarding the forma-tion of humus from the org. matter through the org. matter sol. in 2% NaOH soln. because of the soly. of undecompd. or only partly decompd. plant materials such as fats, wax-like compds. and carbohydrates.   K. C. Brown

Manganese contents of Latvian soils and rocks. Effect of manganese dioxide on the quinhydrone electrode. Manganese as an exchangeable base. K. KALNINS. _Lab. l'are Lahreniss, Kim. Pabull Arvin 1931, 11. 121_ In the soils examd., Fe is more readily sol. in HCl than in HNO₃, but Mn is equally sol. in the 2 acids, provided, in the case of HNO₃, org. matter is present. The difference between total and acid sol Fe is considerable and that for Mn small. During the aging of soils, leaching of carbonates is accompanied at first by an increased Mn content, followed later as the soil becomes acid, by the washing down of Mn from the surface layers. The latter process is accelerated by the presence of much org. matter. Cultivated soils have higher Mn contents than forest soils. For the field detn. of active MnO₂ in soils, a measured vol. of soil in a tube is mixed with a definite proportion of benzidine. After the addn. of H₂O and a few drops of dil. AcOH, the mixt. is shaken and the color compared with standards. Active MnO₂ so detd. decreases with falling p_H and is usually absent in soils of $p_H < 5$. That soils with p_H 3.5 6.7 soils of $p_H < 5$ and abnormally high in soils of $p_H > 8.5$. That soils with p_H 3.5 6.7 and mineral content <70% show no benzidine reaction, and pos. tests are more rare in sandy soils than in clays and loams. Surface soils have less active MnO₂ than the nearest subsoil horizons. p_H values detd. by the quinhydrone electrode and colorimetrically may differ by 1-2 units where active MnO₂ occurs. At all fractions >p_H 5.5 the quinhydrone electrode is liable to error. A close correlation exists between the p_H of soils and the exchangeable-Mn contents. At p_H >7.0 the amt. present is small, but increases rapidly with falling p_H. Anaerobic conditions and the presence of much org. matter probably tend to increase the proportion of exchangeable Mn. The Mn contents of certain trees and cereal crops is closely related to the p_H and exchangeable-Mn contents of the soils in which they grow. On limed soils (p_H 6.7-7.5) failure of red clover is assocd. with lowered exchangeable-Mn contents. A relationship between optimum p_H ranges for the growth of certain crops, and the presence of exchangeable Mn or Fe is indicated.   R. C. A.

CA

15

The brown soils of Latvia. K. Krumiush. Pedology
(U.S.S.R.) 1947, 400-04(English summary). Chem

analyses of brown and podzolized soils are given. The
brown soils form generally on parent material rich in lime,
in sections of lowest rainfall, and in soils that would permit
capillary ascent of moisture.   I. N. Ioffe

A S B · I L A   METALLURGICAL LITERATURE CLASSIFICATION

_____, K.

23016   KALNIN'SH, K. Eroziya Pochvy V. Latvii. Trudy Yu. Ileynoy. Sessii Posvyashch
         Stoletiyu So Dnya Rozhdeniya Dokuchayeva. M. - L., 1949, S. 464-67

SO: Letopis', No. 33, 1949

1. KRUHINS, K.

2. USSR (600)

4. Latvia - Agriculture

7. Problems of soil science in connection with introduction of grassland agriculture in the Latvian S. S. R.   Latv. PSR Zin. Akad Vestis no. 12   1950

KRUMIN'SH, K.

"The soils of Europe "[in English] by W. Kubiena. Reviewed by
K. Krumin'sh. Pochvovedenie 11:76-83 N '56.   (MLRA 10:2)

    (Europe--Soils)
    (Kubiena, W.)

KRUMIN'SH, K. [Krumigs, K.]

Report of the Latvian branch of the All-Union Society of Soil
Scientists for 1957. Pochvovedenie no.8:144 Ag '58.   (MIRA 11:9)
               (Latvia--Soils)

KRUMIN'SH, K.A.[Krumins, K.], prof., otv. red.

[Reports] Doklady. Jelgava, Latviiskii filial Vses.
ob-va pochvovedov, 1964. 82 p.   (MIRA 18:7)

1. International Congress of Soil Science, 8th, Bucharest,
1964. 2. Latviyskaya sel'skokhozyaystvennaya akademiya,
predsodatel' Latviyskogo filiala Vsesoyuznogo obshchestva
pochvovedov.

KRUMINYA, U.Ya., Cand Biol Sci -- (diss) "Embryonal development
of suprarenal glands in humans and certain mammal animals."

Riga, 1959. 20 pp with ill. (Min of Higher Education USSR.

Latvian State U im P. Stuchka). 170 copies (KL,40-59, 103)

19

SUBMITTED: 03Jun63   ENCL: 00   SUB CODE: IE

NO REF SOV: 000   OTHER: 000

KRUML, Cenek, inz.

     A new type of folding boxes for materials and products up
to 300 kg. Drevo 17 no.12:373-375 D '62.

     1. Stredoceske drevarske zavody, Praha.

KRUML, F.

Measuring deformations inside concrete by resistance tensiometers.
p. 610.
TECHNICKA PRACA, Bratislava, Vol. 6, no. 10, Oct. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
     June 1956, Uncl.

KRUML, F.

Problems concerning the tensiometric measurement of gravitation in dams.

p. 54
Vol. 3, no. 1, 1955
STAVEBNICKY CASOPIS
Bratislava

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 3
       March 1956

KRUML, F.

KRUML, F. The time factor involved in the examination of strains in reinforced concrete beams. p. 130, Vol 4, no 2, 1956 STAVEBNICKY CASOPIS Bratislave, Czechoslovakia

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their   H-13
            Application. Ceramics. Glass. Binding Materials.
            Concrete.

Abs Jour   : Ref Zhur - Khimiya, No 5, 1959, No. 16309[*]

Author   : Kruml, F.
Inst   : Not given
Title   : Light Concretes with Artificial Fillers ("Keramzitobeton")

Orig Pub   : Starvebn. casop., 1958, 6, No 3, 146-154

Abstract   : Porosity, absorptive capacity (basis water) and other
             properties of several grades of "keramzite" of 390-830
             kg/m^3 density are reviewed. Light concretes incorporating
             "keramzites" as fillers, depending on their structure,
             are divided into two groups: porous (I) that contain
             <35 vol% of cement (C), and dense (II) with >40% C.

             [*]Marked 16390

Card 1/2

CZECHOSLOVAKIA / Chemical Technology, Chemical Products and Their   H-13
                 Application. Ceramics. Glass. Binding Materials.
                 Concrete.

Abs Jour : Ref Zhur - Khimiya, No 5, 1959, No. 16309*

          Formulas for the calculation of I and II while employing
          various grades of "keramzite" fillers are proposed. Data
          pertaining to tensile strength, modulus of elasticity
          and other properties for the light concretes are given. --
          Ya. Satunovskiy

          *Marked 16390

Card 2/2
                         H- 41

KRUML, Frantisek, inz., ScC.; KOMLOS, Karol, inz., ScC.

International Conference "New Information on Increasing the
Quality of Concrete and its Testing" in Leipzig. Stav cas
11 no.4:293-294 '63.

1. Ceskoslovenska akademie ved, Ustav stavebnictva a
architektury, Slovenska akademia vied, Bratislava.

KRUML, Frantisek, inz. CSc.

Long-lasting deformation properties of light concretes
(shrinkage and hygrometric changes). Stav cas 12 no. 7:
402-413 '64.

1. Institute of Building and Architecture, Slovak Academy of
Sciences, Bratislava.

KRIM, Frantisek, Inz.; KOVI, Ferna, In.

International symposium on the method of field testing of
concrete mechanical properties. Stav cas 13 no.2:119-120 '65.

1. Institute of Building and Architecture of the Slovak Academy
of Sciences, Bratislava.

KRUML, Frantisek, inz. CSc.

Long-lasting deformation properties of light concretes. Stav
cas 13 no.3:137-144 '65.

1. Institute of Building and Architecture of the Slovak Academy
of Sciences, Bratislava. Submitted December 20, 1963.

SVEJCAR, J.; PREROVSKY, I.; LINHART, J.; KRUML, J.

Chemical composition of the venous wall of normal veins and
primary varicose veins. Rev. czech. med. 11 no.1: 63-69 '65

1. Central Biochemical Laboratory, Thomayer Hospital, Institute
for Cardiovascular Research and Bulovka Hospital, Prague.

KRUML, J.

Effect of a centrifugal force on the moisture content of wood. p. 47.

DREVARSKY VYSKUM, Bratislava, Czechoslovakia, Vol. 4, No. 1, June, 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 10,
Oct. 1959
Uncl.

KRUML, J. ; PLOCEK, L.; KHEJZOVA, E,

A further contribution to the analysis of aluminum oxide. p. 244.

SYLAR A KERAMIK. (Ministerstvo lehkeho prumyslu) Praha, Czechoslovakia,
Vol. 9, no. 8, Aug. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1,
Jan. 1960.

Uncl.

K RUML, J.

5

CZECHOSLOVAKIA

TOMANEK, A; BOLECEK, O., MD; KRUML, J; ROUBKOVA, H;
    PREBOROVSKY, F., MD.

1. Research Institute of Tuberculosis (Vyzkumny
        ustav tuberkulose), Prague; 2. Tuberculosis
        Ward of the Hospital OUNZ (Tuberkulozni
        oddeleni nemocnice OUNZ), Liberec (for Bolecek);
        3. Pathological-anatomical Ward UDL (Patologicko-
        anatomicke oddeleni nemocnice), Prague-Bulovec;
        4. Pathological-anatomical Ward UDL (Patologicko-
        anatomicke oddeleni nemocnice), Prague; 5.
        Tuberculosis Ward UVN (Tuberkulozni oddeleni
        UVN), Prague (for Preborovsky)

"Osteochondroplastic Tracheopathy."

MARATKA, Z.; KRUML, J.

Aberrant pancreas. 2 cases simulating polypous tumor in the
stomach and duodenum. Cesk. gastroent. vyz. 17 no.1:3-5
Ja '63.

1. II vnitrni oddeleni nemocnice v Praze na Bulovce, prednosta
doc. dr. Z. Maratka Patologickoanatomicke odd. nemocnice v
Praze na Bulovce, prednosta doc. dr. J. Viklicky.
        (PANCREAS) (STOMACH NEOPLASMS)
        (DUODENAL NEOPLASMS) 'HYPOGLYCEMIA)
      (HEMATEMESIS) (LAPAROTOMY) (POLYPI)
      (DIAGNOSIS, DIFFERENTIAL) (NEOPLASM DIAGNOSIS)

KHUML, J;PREROVSKY, I;TREFNY, Z;ZUFNICKOVA, J.

Slide method in culture of tubercle bacilli. Cas. lek. cesk.
89 no.30:841-844 28 July 1950.   (CIML 20:1)

1. Of the Bacteriological and Serological Department in Bulovce
(Head--J. Viklicky) and of the Institute for Clinical Physiology
of the Medical Faculty of Charles University, Work Group of V.
Kurti (Head--Prof. J. Skladal, M. D.).

MIROVSKY, Jiri, MUDr; TUMOVA, Bela, RNDr; KRUML, Jiri, MUDr

Acute stenosing laryngotracheobronchitis in children. I. Clinical
and pathologico-anatomical picture. Pediat. listy, Praha 9 no.6:
333-335 Dec 54.

1. Z I. a II. oddel. infekoni klin. v Praze, predn. prof. Dr.
Jaroslav Prochaska a doc. Dr. Vaclav Kredba. I Ustavu epodemiol.
a mikrobiol. ; reditel doc. Dr. Karel Raska. Z prosektury nemocnice
na Bulovce; predn. prim. Dr. Josef Viklicky
    (LARYNGITIS
       laryngotracheobronchitis stenosing in child., pathol.)
    (TRACHEA, diseases
       laryngotracheobronchitis stenosing in child., pathol.)
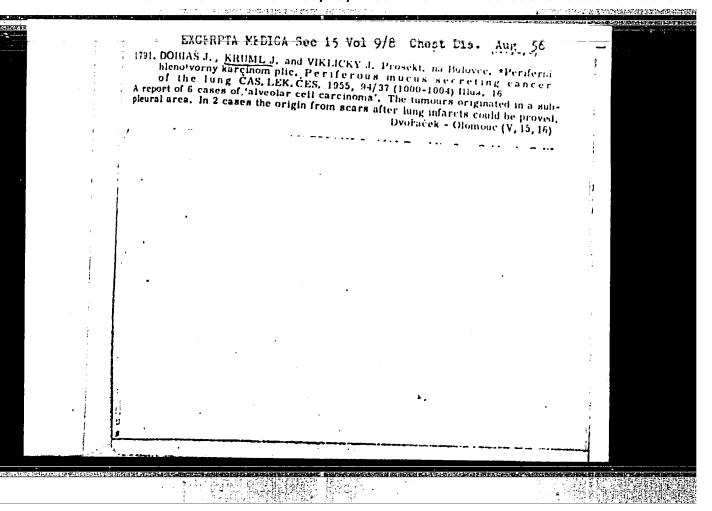   (BRONCHITIS
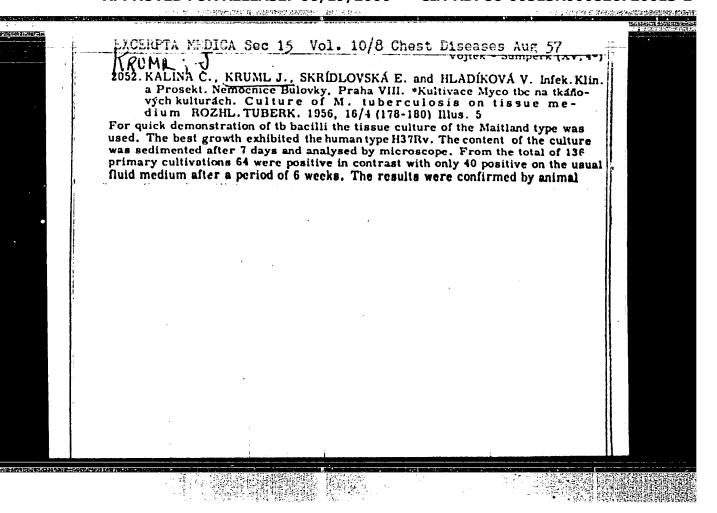   laryngotracheobronchitis, stenosing, in child., pathol.)

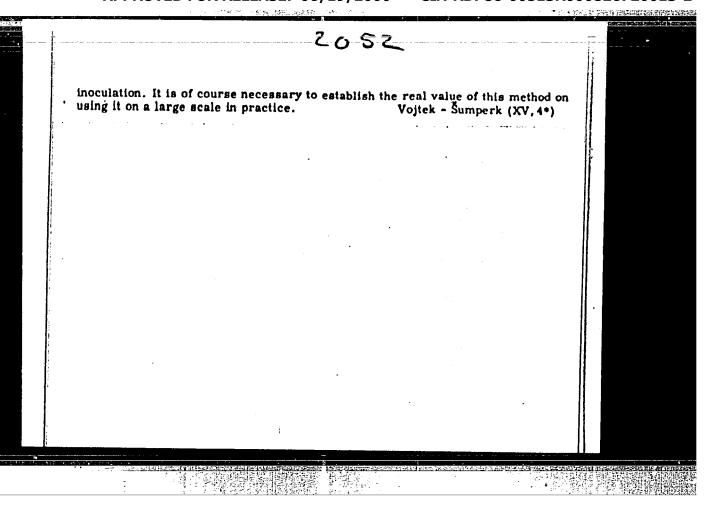DOBIAS, J., Dr.; KRUML, I., Dr.; VIKLICKY, J., Dr.

Peripheral phlegm forming carcinoma of the lungs. Cas. lek.
cesk. 44 no.37:1000-1004 9 Sept 55.

1. Z prosektury na Bulovce, prednosta Dr. J. Viklicky.
    (LUNGS, neoplasms
        phlegm forming.)

EXCERPTA MEDICA Sec 15 Vol 9/8 Chest Dis. Aug. 56

1791. DOHNAS J., KRUML J. and VIKLICKY J. Prosekt. na Bulovce. *Periferni
hlenotvorny karcinom plic. Periferous mucus secreting cancer
of the lung CAS. LEK. CES. 1955, 94/37 (1000-1004) Illus. 16
A report of 6 cases of 'alveolar cell carcinoma'. The tumours originated in a sub-
pleural area. In 2 cases the origin from scars after lung infarcts could be proved.
Dvořáček - Olomouc (V, 15, 16)

KRUML, J

2052. KALINA C., KRUML J., SKRÍDLOVSKÁ E. and HLADÍKOVÁ V. Infek. Klin.
a Prosekt. Nemocnice Bulovky. Praha VIII. *Kultivace Myco tbc na tkáňo-
vých kulturách. Culture of M. tuberculosis on tissue me-
dium ROZHL. TUBERK. 1956, 16/4 (178-180) Illus. 5

For quick demonstration of tb bacilli the tissue culture of the Maitland type was
used. The best growth exhibited the human type H37Rv. The content of the culture
was sedimented after 7 days and analysed by microscope. From the total of 136
primary cultivations 64 were positive in contrast with only 40 positive on the usual
fluid medium after a period of 6 weeks. The results were confirmed by animal

2052

inoculation. It is of course necessary to establish the real value of this method on using it on a large scale in practice.   Vojtek - Šumperk (XV, 4*)
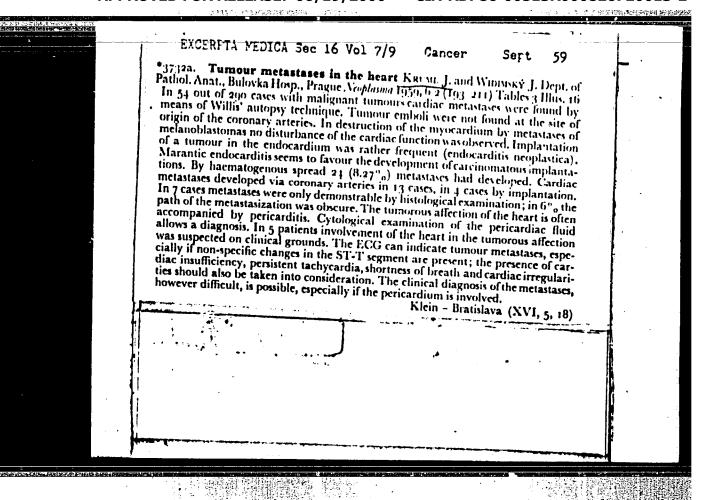
RIMAN, Josef; RYCHLIKOVA, Milena; VESELY, Jiri; KRUML, Jiri

Transmission by isolated cell particles of Crocker's sarcoma to C3H mice. Neoplasma, Bratisl. 5 no.1:13-19 1958.

1. Chemical Institute of the Czechoslovak Academy of Sciences, Department of Biochemistry, prague. Institute of Biology of the Czechoslovak Academy of Sciences, Prague City Hospital Bulovka, Department of Pathology, Prague. Authors' address: Dr. J. Riman and co-workers, Chemicky ustav CSAV, Praha 19, Na cvicisti 2.
        (NEOPLASMS, exper.
                transm. of Crocker's sarcoma to C3H mice by isolated cell
                particles)

EXCERPTA MEDICA Sec 16 Vol 7/9   Cancer   Sept   59

37:12a.   Tumour metastases in the heart Krum J. and Widmisky J. Dept. of Pathol. Anat., Bulovka Hosp., Prague, *Neoplasma* 1959, 6 2 (193 211) Tables 3 Illus. 16 In 54 out of 200 cases with malignant tumours cardiac metastases were found by means of Willis' autopsy technique. Tumour emboli were not found at the site of origin of the coronary arteries. In destruction of the myocardium by metastases of melanoblastomas no disturbance of the cardiac function was observed. Implantation of a tumour in the endocardium was rather frequent (endocarditis neoplastica). Marantic endocarditis seems to favour the development of carcinomatous implantations. By haematogenous spread 2½ (8.27%) metastases had developed. Cardiac metastases developed via coronary arteries in 13 cases, in 4 cases by implantation. In 7 cases metastases were only demonstrable by histological examination; in 6% the path of the metastasization was obscure. The tumorous affection of the heart is often accompanied by pericarditis. Cytological examination of the pericardiac fluid allows a diagnosis. In 5 patients involvement of the heart in the tumorous affection was suspected on clinical grounds. The ECG can indicate tumour metastases, especially if non-specific changes in the ST-T segment are present; the presence of cardiac insufficiency, persistent tachycardia, shortness of breath and cardiac irregularities should also be taken into consideration. The clinical diagnosis of the metastases, however difficult, is possible, especially if the pericardium is involved.

Klein - Bratislava (XVI, 5, 18)

HRADEC, J.; KHUML, J.

Carcinogenic activity of the growth factor from egg yolk and
its relation to endogenous carcinogens. Neoplasma,Bratisl.
7 no.1 suppl:98-102 '60.

(CARCINOGENS)
(EGG YOLK)

DOBIAS,J.; DVORSKY,K.; KHUML,J.; MACEK,M.

Cerebrospinal form of paragonimiasis. Cesk. neur. 23 no.1/2:
48-52 Ja '60.

1. Pat. anat. odd. na Bulovce a UDL, Praha, predn. MUDr. J.
Viklicky; Pat. anat. odd. vseob. fakulty, Brno, predn. prof. MUDr.
J. Svejda; Bakteriolog. odd. na Bulovce, Praha, predn. doc. MUDr.
V. Wagner.
(DISTOMIASIS)
(CENTRAL NERVOUS SYSTEM dis.)

MARATKA, Z.; MASEK, K.; BEDNAR, B.; KRUML, J.

Comparison of results of gastric acidity and secretion tests with
results of biopsy tests in the diagnosis of gastritis. Cesk.
gastroent. vyz. 15 no.4:276-281 Je '61.

1. II vnitrni oddeleni, Ustredni laborator a Patologickanatomicke
oddeleni nemocnice na Bulovce, I. patologickoanatomicky ustav KU
v Preze.
          (GASTRITIS diag)   (BIOPSY)   (GASTRIC JUICE)

KRUML, J.

SURNAME (in caps); Given Name

/ 3

Country: Czechoslovakia

Academic Degrees:

Affiliation:

Source: Prague, Rozhledy v Tuberkuloma v Nemocech Plicnich,
                 Vol XXI, No 7, August 1961, pp 521-529

Data: "Calcified and Ossified Tuberculomas of the Brain."

Authors:
    KRIVINKA, Rudolf, Doc Dr, Institute for Postgraduate Medical Training
    (Ustav pro doskolovani lekaru), Prague; Department of Tuberculosis
    (katedra tuberkulozy), Chief (Prednosta): Doc Dr Rudolf Krivinka;
    Department of Pathological Anatomy (katedra patologicke anatomie),
    Chief (Prednosta): Doc Dr Josef Viklicky; Department of Rontgenology
    (katedra rentgenologie), Chief (Prednosta): Dr Josef Slanina
    KRUML, J, Degrees not given, Institute of Public Health (UNZ [Ustav
    narodniho zdravi/), NV hl m [abbreviation not identified], Prague,
    the Hospital in Bulovce, Neurological Department (neurologicke oddeleni),
    Chief (Prednosta): Prof Dr Otakar Janota
    With the co-operation of R Vojir and J Slanina

                                      224

PREROVSKY, I.; LINHART, J.; DEJDAR, R.; SVEJCAR, J.; KRUML, J.; VAVREJN, B.

Research on the primary varicose veins and chronic venous insufficiency.
Rev. csech. med. 8 no.3:171-178 '62.

1. Institute for Cardiovascular Research, Prague-Krc; Director;
Academician K. Weber.
            (VARICOSE VEINS)   (VASCULAR DISEASES) (VEINS)

SNAJDR, V.(Praha 8-Bulovka, VUTbc.); TOMANEK, A.; KRUML, J.; FOUBKOVA, H.;
MKTYS, R.

On the problem of endobronchial chondrohamartomas. Cas. lek.
Cesk. 105 no.2:42-46 14 Ja '66.

1. Vyzkumny ustav tuberkulozy, Praha (reditel doc. dr. R. Krivinka),
Katedra patologicke anatomie Ustavu pro doskolovani lekaru, Praha
(vedouci doc. dr. J. Viklicky) a Ustav pro choroby obehu krevniho,
Praha (redital prof. dr. J. Brod, DrSc.). Submitted June 1965.

L 38416-66   EWP(t)/RTI   IJP(c)   JD/

ACC NR: AP6019922   SOURCE CODE: CZ/0012/66/000/001/0077/0084

AUTHOR: Hermansky, Vojtech-- Grzhmanski, V.; Kruml, Jiri--Kruml', I.

ORG: Research Institute of Electrotechnical Ceramics, Hradec Kralove
(Vyzkumny ustav elektrotechnick keramiky)

TITLE: Notes on thin nickel layers

SOURCE: Silikaty, no. 1, 1966, 77-84

TOPIC TAGS: thin nickel layer, heat treatment, autocatalysis, reduction

ABSTRACT: An investigation of nickel electrodes made by autocatalytic
reduction from hypophosphite baths was undertaken with an electron
microscope, a light microscope, and a high-temperature microscope. Due
to the particular phosphorus content, these layers differ in structure
and properties from pure nickel layers; heat treatment involves processes
which limit the applicability of these layers in thin-layer elements and
circuits. Above all, the processes include changes of structure and of
the geometrical dimensions of the layers. On the basis of the investi-
gations of heat-treated thin nickel layers made by autocatalytic reduc-

Card   1/2

L 38416-66

ACC NR: AP6019922   0

tion from hypophosphite baths, it is possible to recommend 400C as the
optimum temperature of heat treatment, reached by slow heating. The
heat treatment is carried out without keeping this temperature. Under
these conditions, minimum adverse phenomena occur. Orig. art. refers
to and lists the captions of 10 figures, however reproduces only 3.
[Based on authors' abstract.]   [KS]

SUB CODE: 11/ SUBM DATE: 03Jul65/ ORIG REF: 007/ SOV REF: 001/
OTH REF: 004

Card 2/2

KRUML, V.

Contribution to the discussion on the article "Automation of non-Rotating Power Sources for Welding in the Protective Atmosphere of Argon."   p. 43

ZVARANIE. Bratislava, Czechoslovakia. Vol. 8, no. 2, Feb. 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No.9, September 1959 Uncl.

MARATKA, Z.; KRUMLOVA, J.

Cancer of the colon in ulcerative colitis. (1st observation in the
Czechoslovakian Socialist Soviet Republic) Cesk. gastroent. vyz.
15 no.8:612-614 D '62.

1. II. vnitrni oddeleni (doc. dr. Z. Maratka) a patologickanatomicke
oddeleni (doc. dr. J. Viklicky) nemocnice na Bulovce, Praha 8.
        (COLON neoplasms)   (COLITIS ULCERATIVE compl)

KRUMM, L. A.

KRUMM, L. A. -- "Methods of Calculating Stationary Operation of Electrical Systems with Primary and Secondary Automatic Frequency Regulation; and the Effect of Electrical Connections on Frequency Regulation." Min Higher Education USSR. Tomsk Order of Labor Red Banner Polytechnic Inst imeni S. M. Kirov. Tomsk, 1955. (Dissertation for the Degree of Candidate of Technical Sciences.)

SO: Knizhnaya letopis'. No. 4, Moscow, 1956

8(0)

SOV/112-59-5-8819

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 5, p 58 (USSR)

AUTHOR: Krumm, L. A.

TITLE: Improved Method of Successive Intervals for Determining Changes in the Steady-State Conditions of an Electrical System Responding to Any Symmetrical Perturbance;   Allowance Is Made for Static Characteristics of Loads and Generators; Frequency, Voltage, and Power Are Automatically Controlled

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1957, Vol A, Nr 125, p 19

ABSTRACT: Within any interval, a change in a parametric vector is considered as a continuous function of a perturbing factor; this results in simplification of calculations in some cases. The rate of change of the steady-state conditions with respect to any perturbing factor can be found in each interval, which permits determining permissible variations of perturbing factors, e.g., in the steady-state stability computations, etc. The overall error and the accumulation of errors are equal to those in the conventional method of successive intervals.

Card 1/1

A.A.K.

8(6)   SOV/112-59-1-567

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 1, p 74 (USSR)

AUTHOR: Krumm, L. A.

TITLE: The Use, Labor Consumption and of the Computation Processes of Methods for Calculating
/Conditions in Power Systems With . Allowance for Static Load and Generator
Characteristics Under Conditions of Automatic Control of Frequency, Voltage,
and Power

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1957, A, Nr 126, p 27

ABSTRACT: Bibliographic entry.

Card 1/1

Krumm, L.A.

Two forms of more general equations for the economic factors
involved in the operation of consolidated electric power systems.
Izv.Sib.otd.AN SSSR   no.10:29-36 '59.   (MIRA 13:4)

1. Transportno-energeticheskiy institut Sibirskogo otdeleniya
AN SSSR.
                    (Electric networks)

KRUMM, L.A.

Accuracy of a method for determining economical power system operation. Izv.Sib.otd.AN SSSR no.11:11-18 '59.
(MIRA 13:4)

1. Transportno-energeticheskiy institut Sibirskogo otdeleniya AN SSSR.

(Electric networks)

KRUMM, L.A.

Additional savings in shifting from the current simplified method
to a more general method for determining the economic patterns
of consolidated power systems. Izv.Sib.otd.AN SSSR no.12:
34-42 '59.   (MIRA 13:5)

1. Transportno-energeticheskiy institut Sibirskogo otdeleniya
AN SSSR.
          (Electric power production)

KRUMM, L.A. (Novosibirsk)

Problem concerning the determination of the optimum performance
of electric power systems. Elektrichestvo no.3:85-87 Mr '62.
(MIRA 15:2)
(Electric power distribution)

KRUMM, L.A., kand. tekhn. nauk

     Gradient method for optimizing the operation of consolidated
electric power systems. Elektrichestvo no.5:6-13 My '63.

                                              (MIRA 16:7)

1. Sibirskiy energeticheskiy institut Sibirskogo otdeleniya
AN SSSR.

                       (Electric power distribution)
                (Interconnected electric utility systems)

KRUMM, L.A., kand.tekhn.nauk; SYROV, Yu.P., kand.tekhn.nauk

Use of the gradient method in optimalizing the operating modes
of 1· torconnected power systems containing hydroelectric power
stations. Elektrichestvo no.4:20-26 Ap '64.   (MIRA 17:4)

1. Sibirskiy energeticheskiy institut Sibirskogo otdeleniya AN
SSSR.

KUZNETSOV, Yu.A.; MAKAROV, A.A.; MELENT'YEV, L.A.; MERENKOV,
A.P.; NEKRASOV, A.S.; TSVETKOV, N.I.; KUZNETSOV, Yu.A.;
MAKAROVA, A.S.; KARPOV, V.G.; MANSUROV, Yu.V.; SYROV,
Yu.P.; KHAILEV, L.S.; TSVETKOVA, L.A.; VOYTSEKHOVSKAYA,
G.V.; YEFIMOV, N.T.; LEVENTAL', G.B.; KHANAYEV, V.A.;
BELYAYEV, L.S.; GAMM, A.Z.; KARTELEV, B.G.; KRUMM, L.A.;
LIOPO, T.N.; SVIRKUNOV, N.N.; DRUZHININ, I.P.;
KONOVALENKO, Z.P.; KHAM'YANOVA, N.V.; SHVARTSBERG, A.I.;
NIKONOV, A.P.; STARIKOV, L.A.; POPYRIN, L.S.; PSHENICHNOV,
N.N.; TROSHINA, G.M.; CHEL'TSOV, M.B.; SVETLOV, K.S.;
SUMAROKOV, S.V.; TAKAYSHVILI, M.K.; TOLMACHEVA, N.I.;
KHASILEV, V.Ya.; KOSHELEV, A.A.; KUDINOVA, L.I., red.

[Methods for using electronic computers in the optimiza-
tion of power engineering calculations] Metody primeneniia
elektronno-vychislitel'nykh mashin pri optimizatsii energe-
ticheskikh raschetov. Moskva, Nauka, 1964. 318 p.
(MIRA 17:11)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Energetiche-
skiy institut. 2. Chlen-korrespondent AN SSSR (for Melent'yev).

KRUMM, L.A. (Irkutsk); SYROV, Yu.P. (Irkutsk)

Methods for the overall optimization of daily and prolonged
operation of unified power systems containing hydroelectric
power plants. Izv. AN SSSR. Energ. i transp. no.1:13-17
Ja-F '65.   (MIRA 18:4)

KRUMM, L.A. (Irkutsk); SYROV, Yu.P. (Irkutsk)

Method for overall optimization of daily and long-term modes
of operation of unified power systems with hydroelectric power
stations. Part 2. Izv. AN SSSR. Energ. i transp. no.2:32-42
Mr-Ap '65.   (MIRA 18:6)

KRUMM, L.A., kand. tekhn. neuk

Gradient method for optimalizing the operation of unified electric
power systems. Elektrichestvo no.6:88-89 Je '65.   (MIRA 18:7)

KRUMM, L.A. (Irkutsk)

Generalization of a gradient method for optimalizing the conditions
of power system consolidation. Izv. AN SSSR. Energ. i transp.
no.3:3-16 My-Je '65.   (MIRA 18:12)

1. Submitted December 23, 1964.

L 24079-66 EWT(l)

ACC NR: AP6014965   SOURCE CODE: UR/0281/65/000/001/0003/0017

AUTHOR: Krumm, L. A. (Irkutsk); Syrov, Yu. P. (Irkutsk)   29

                                                                           B

ORG: none

TITLE: Methods of complex optimization of daily and long term operation conditions of combined power systems including hydroelectric stations

SOURCE: AN SSSR. Izvestiya. Energetika i transport, no. 1, 1965, 3-17

TOPIC TAGS: hydroelectric power plant, dynamic programming

ABSTRACT: The article includes a brief survey of literature on methods of optimization of operating conditions for combined power systems containing hydroelectric stations. The necessity of further study in the area of complex optimization of the daily and long-term operating conditions of such systems is shown. The gradient method and the gradient method combined with the group relaxation method and the principle of dynamic programming are used as a basis in the analysis of methods of optimization of the daily operating regimes of such systems and their sections. Orig. art. has: 6 formulas. [JPRS]

SUB CODE: 10 / SUBM DATE: 29Jul64 / ORIG REF: 022 / OTH REF: 005

                                                                           2

Card 1/1   UDC: 621.311.1.003

KRIPTINS, J.

GENERAL
 PERIODICALS: VESTIS No. 2, 1958

KRUMTIS, J. Rotation of conducting a wall in conducting viscous liquid
in the presence of a magnetic field. In Russian. p. 97

Monthly list of East European Accessions (EEAT) LC, Vol. 8, No. 2,
                                                February 1959, Unclass.

Quality of steel f r cold-drawing a d cold-pressing. n. 5.
(HUTNIK, vol. 5, no. 1, Jan. 1955, Praha)

SO: Monthly List of East European Accession, (MAL), LC, Vol. 4, No. 11,
    Nov. 1955, Uncl.

KRUMNIKL. F.

Contribution ot the production of steel for ball bearings in basic furnaces
by the Martin process. p. 165.
(HUTNIK, vol. 5, no. 6, June 1955, Prhah)

SO: Monthly List of East European Accession,(EEAL), LC, Vol. 4, No. 11,
    Nov. 1955, Uncl.

KRUSLIKE, P.

Development of steel production technology in converters with the use of oxygen in the USSR.

P. 1026. (HUTNICKE LISTY) (Brno, Czechoslovakia) Vol. 12, no. 11, Nov. 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, May 1958

KRUPNIKL., F.

"Quality of rimmed steel produced in oxygen-blast converter of high-phosphorus pig iron."

HUTNICKE LISTY, Brno, Czechoslovakia, Vol. 14, No. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

PUNCOCHAR, Z., inz.; KRUMNIKL, F., inz.; HRBEK, A.; VETISKA, A.

Informations on metallurgy. Hut listy 16 no.1:68-72 Ja '61.

ZDENEK, Z., inz.; KECLIK, V.; DEDEK, Vlad., inz.; KRUMNIKL, Fr., inz.; VYSTYD, M.; JENICEK, L.; LIKES, Jiri; HRANOS, Zd., inz.

Informations on metallurgy. Hut listy 16 no.3:217-227 Mr '61.

PUNCOCHAR, Z., inz.; CHVATAL, V., inz.; BECVAR, J.; KRUMNIKL, Fr., inz.;
      HRBEK, A.; ZIDEK, inz., JENICEK, L.

      Information on metallurgy. Hut listy 16 no.4:293-303 Ap '61.

PUNCOCHAR, Z.; DEDEK, Vlad., inz.; KECLIK, V., inz.; KRUMNIKL, F.; TEINDL, J.;
    BENDA, O.

    Information on metallurgy. Hut listy 16 no.7:523-530
    Jl '61.

PUNCOCHAR, Z., inz.; BENDA, O.; CHVOJKA, Jan, inz.; CHVATAL, V.; HRBEK, A.; KRUMNIKL, F.; HOREJS, S., inz.; TEINDL, J.; SESTAK, B.
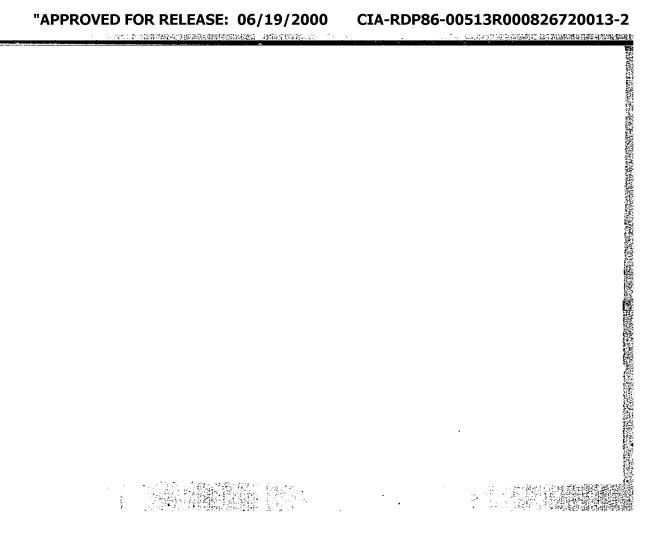
Information on metallurgy. Hut listy 16 no.8:596-605 Ag '61.

PUNCOCHAR, Z., inz.; JICINSKY, J., dr., inz.; HANCL, J.; BECVAR, J.; STROEL, L.;
        KARNOVSKY, inz.; KLIKA, R.; KRUMNIKL, Fr., inz.; SORAL, J., inz.;
        TEINDL, J.; VRBENSKA, inz.

        Information on metallurgy. Hut listy 17 no.11:816-829 N '62.

PUNCOCHAR, Z., inz.; LVOVA, H., inz.; FRIEDRICH, V., inz.; KECLIK, V., inz.;
KRUMNIKL, Frantisek, inz.; BAUER, J., inz.; SORAL, J., inz.;
HORAK, J., dr., inz.; PEDLIK, M., inz.

Information on metallurgy. Hut listy 18 no.5:361-374 My '63.

KRUMNIKL, H.

Dust removal from the flue gases of a sintering plant. p. 74. (Hutnik, Vol. 7, No. 3, Mar 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

KRUMNIKL, Hynek, inz.

New types of mixers for loose materials. Wiad hut 17 no.12:352-354 D '62.

1. Nowa Huta im. Klementa Gottwalds, Kunczyce, Czechoslowacja.